

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch

690 Walnut Ave.St. 150

Vallejo, CA 94592-1133

(707) 649-5453

(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-014733**Date Inspected:** 04-Jun-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai,China

CWI Name:	Mr.An Qing Xiang/Ye yong jun	CWI Present:	Yes	No
Inspected CWI report:	Yes No N/A	Rod Oven in Use:	Yes	No N/A
Electrode to specification:	Yes No N/A	Weld Procedures Followed:	Yes	No N/A
Qualified Welders:	Yes No N/A	Verified Joint Fit-up:	Yes	No N/A
Approved Drawings:	Yes No N/A	Approved WPS:	Yes	No N/A
		Delayed / Cancelled:	Yes	No N/A
Bridge No:	34-0006	Component:	Tower	

Summary of Items Observed:

On this date Caltrans OSM Quality Assurance (QA) Inspector, Nagalingam Pandaram Pillai was present during the times noted above for observations relative to the work being performed.

Magnetic Particle Testing:-**Trail Assembly Area:-**

This QA inspector performed Magnetic Particle Testing (MT) of approximately 15% of the area previously tested and accepted by ZPMC Quality Control Personnel. This QA Inspector generated an MT report for this date. The member is identified as West Tower Lift 2 Cable Tray Support. The weld designations reviewed are as follows:-

B22-2-EL54.773M-1-1-W

B22-2-EL54.773M-1-2-W

B22-2-EL54.773M-2-1-W

B22-2-EL54.773M-2-2-W

B22-2-EL55.822M-1-1-W

B22-2-EL55.822M-1-2-W

B22-2-EL55.822M-2-1-W

B22-2-EL55.822M-2-2-W

B22-2-EL57.522M-1-1-W

B22-2-EL57.522M-1-2-W

B22-2-EL57.522M-2-1-W

B22-2-EL57.522M-2-2-W

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IN PROCESS INSPECTION:-

Trail Assembly Area:-

This QA inspector observed the following work in progress:

SMAW welding of weld joint no: WD1-GUSA3-3-65M-W-4A located on Cross Bracing Gusset Plate. Welder is identified as 040690. ZPMC QC is identified as Mr. Zhu Feng. Welding was been performed against Temporary Weld Repair Report. The welding variables recorded by QC appeared to comply with the WPS-345-SMAW-1G(1F)-FCM-Repair.

This QA inspector observed the following work in progress:

SMAW welding of weld joint no: WD1-GUSA3-3-65M-S-4A located on Cross Bracing Gusset Plate. Welder is identified as 046582. ZPMC QC is identified as Mr. Zhu Feng. Welding was been performed against Temporary Weld Repair Report. The welding variables recorded by QC appeared to comply with the WPS-345-SMAW-1G(1F)-FCM-Repair.

This QA inspector observed the following work in progress:

SMAW welding of weld joint no: WD1-GUSA3-3-65M-E-4B located on Cross Bracing Gusset Plate. Welder is identified as 040610. ZPMC QC is identified as Mr. Zhu Feng. Welding was been performed against Temporary Weld Repair Report. The welding variables recorded by QC appeared to comply with the WPS-345-SMAW-4G(4F)-FCM-Repair.

This QA inspector observed the following work in progress:

SMAW welding of weld joint no: WD1-GUSA3-3-65M-N-4B located on Cross Bracing Gusset Plate. Welder is identified as 056200. ZPMC QC is identified as Mr. Zhu Feng. Welding was been performed against Temporary Weld Repair Report. The welding variables recorded by QC appeared to comply with the WPS-345-SMAW-4G(4F)-FCM-Repair.

Bay#10:-

This QA inspector observed the following work in progress:

SMAW welding of weld joint no: SSD1-SPSA5-16-2A located on Lift 5 Interior Splice Plate. Welder is identified as 050289. ZPMC QC is identified as Mr. Yu Zhi Lai. The welding variables recorded by QC appeared to comply with the WPS-B-T-3211-TC-U5b-1.

This QA inspector observed the following work in progress:

SMAW welding of weld joint no: SSD1-SPSA5-19-1B located on Lift 5 Interior Splice Plate. Welder is identified as 052930. ZPMC QC is identified as Mr. Yu Zhi Lai. The welding variables recorded by QC appeared to comply with the WPS-B-T-3211-TC-U5b-1.

Bay#11:-

This QA inspector observed the following work in progress:

SMAW welding of weld joint no: WSD1-TL5-4B/F-34B located on Lift 5 Grillage Plate. Welder is identified as

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040619.ZPMC QC is identified as Mr. Xu Jin long. The welding variables recorded by QC appeared to comply with the WPS-B-T-3213-TC-U5b-1.

This QA inspector observed the following work in progress:

SMAW welding of weld joint no: WSD1-TL5-4B/F-11A located on Lift 5 Grillage Plate. Welder is identified as 040619.ZPMC QC is identified as Mr. Xu Jin long. The welding variables recorded by QC appeared to comply with the WPS-B-T-3213-TC-U5b-1.

Unless otherwise noted, all work observed on this date appeared to generally comply with the applicable contract documents.



Summary of Conversations:

No Relevant Conversation.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Skyler Guest - 15000422360, who represents the Office of Structural Materials for your project.

Inspected By: Pillai,Pandaram

Quality Assurance Inspector

Reviewed By: Clifford,William

QA Reviewer